

Human	MAFDSTWKVDRSENYDKFMEKMGVNIVKRKLAHDNLKLTIT
MouseG.....N...E.....I.VM....G.....
Chick	...NG...IEKN...E....A....VM....G.....Q
XenopusG.....E....V.....G.....VI.Q
Zebra fish:	.T.NG.....N...E....Q....M.....I.LE

Fig. 1

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AGCTTCCTGCGCAGAAAAGGCTGTGGGGTTCTTGTTCCTCACACAGCTTAAGCAAAATCCCCAAGTTCAAAACGTCGGCTGTAAGAGGAGATGGCTCAC 100
TTCAAATGAAGTGAATTATGAAATAATCATAAACGAGCTCTGTGGCAGATCAGAGATAACCTCTGCTGGGACAAAATCTTTAAAGTGATAGGTAGAA 200
CAGGAGGTGTTTGGCAACTAAATGGACTAGATTGTACCACATTGTGATCTCTAGGAGACAAAAGGGTCTGGAACAAAATAAATTAATCTGGTGACAGTCAGT 300
AGCAGCCTGTTTGGGTGCAACTACAGCAACTTTGTTTGCAACAATAACAATCTAAGTTGTTTCTCTCTCTTCCCTAACTTCTGTACAGTCTAAAG 400

GTGAAGAGTAGCTATTGAGTTACTTCCCTCTGCATCCTCTTAGCCAGATTAGCATTGATTTTCTAAAATGAACCTGAGTGGAAATGGAAAGCCACACTATTTT 500
GGTATCACCAAGTTCATAATTTATAGTTTATACCTTCAGTAAACCTTTTGTGCAGGTCTGGAAGAAAAGAAAGATTATGATAACACAGACTAGTA 600
AAATTCATTAGTTAGAGCCAAACCTGTTATCTGTGTGATAAGCAACATTCATTTCCAGCATTCAGGATTTACATTTTGAAGCTAAVAGACAGCAGATTG 700
GTCCGTCCATAGGAACAGACTAACATAAATCCTGAGTTTAGTCAAGCAGATTTAGCACCAGCAAAATTTGCTCAGTTTCAAGTAGCATACTTTGTGGG 800
GAAGAAGGAGCTGAGCCAGTGTGCTCATTTTCTGCATTATCCTTCAACATTTAAACCTGGGATCTATGGAATCAAAACACGTTGGGTAAAATTCAC 900
TAGCAGCACATCAACTACTGTAGGAATGGACAGAAACAGAGCATTCAGTGAATGGGCTATAATATAGAGAATACGTAGAAGTGTCTGAAATTTAGACTA 1000
CCTATTAAAGAGTGAGGACACGAATGGAGAAATATCATCGCAATTTCTGTAGCTCAGCAGTACAGTGAAGGTTTCTGAAAAGTGAACCCAGTTTCCCAAC 1100

TACCTGTGGATGTTCACTGGATCCCTTCATCTCATGCTTATTATGTGGAGTAGAATAGATTCTCACCAAAATTAGAATGGACAAAAGCAGAGATTTGTGTTTT 1200
ATCTGTGGGTAAATACGTTTCTCCAGTTGTATAAAGACCCCTCCACCAGTATAAAGTCCCTATGCAACAAAAGAAAATGTCAATACATTTCTCTTAGTCTC 1300
ATTATTATTTTCATTACATAGCCCGGTTTTTTTACTACAACTCAATAAGATGAACAGAAATGAATGGGTTAGTGACTGTTTTATAAAGAGAGTAATAAAGAT 1400
.....
ACTATCATCATTTTGAGGCAATAAAGGAGGGAGAGATTTCAGCAAAACAGTGTCTTACAAGTGGAAAAACAAGTTAAACTAAAGTGACCCCTCCTTGACAA 1500
.....
GATCAATGCCACAGTTGAGCTTTAGCCAGCCACATCATCATGTAAATTGCTTTCTCTGATAAGCCCTGTTTCATAAAATTTCTTTTGCAAAAGCTCTGCTACTTA 1600
← MET→
CCAGAAGTCTGCCTACAGACAGAAAAGATGGCATTTAACGGTACTTTGAAAAATAGAGAAAAATGAGAACTATGAAAAATTCATGGAAGCAATGGGTAAAGCC 1700
TTACTTTTTTGAATGCCTTCTAAAAGCAGGATACCACTACGGGGAATACAAAATTAAGCTGTTTCATGAACCTACCATCTGGCTAACCTGCTCTTGTGT 1800
CTGCTATTTTGCCCTTGACATTTGCCCTGCACTTATTTTGAAGAAGACTCTATAGAGGGGAATACAGGAAGAAAACATTCGTGATTTTATTTGCATTGCG 1900
ATAATCTTATGCATTTAGCTAATCCAGTAGAGGCATTCACAGAGAAAATTTAAATAGAATTTATATGTAAGGAATATATTTTGTATAGAACTGTTTGA 2000
ATTACACAAGAGGGAATTTGCTGCTCCAGTTTTCAGAAACACACATGATTGAGTCATTTTAAACATGCTAGTGTCTTACTTTAAGCTGTACAAACTGC 2100
CTGTAATATGGATGTAACATAAATCTCCTAGTTGGATAGTGTGTATTACAGGCTGAACACTGCCTCAGTGAAGGTGGAGAGAGTAAGACTCTGA 2200
GTCAGAAATCTGGGCTAAGCTCCCTCAACTACAGAAAAAGTCACAATAAAAAATGCAAAACATGATGTTCTATTTTGTCTCTGCTGCTGATGTTAATTGA 2300

TTATTATTATTTTTTTTAGGCGTGAATGTGATGAAAAGAAAGTTAGGAGCCCAAGATAATCTGAAGCTCAGTATTTCAG 2381

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Fig. 2

SEQ ID NO: 2

ATTATTATTTTCATTAGATAGCCGGTTTTTTACTACAACCTCAAATAAGATGAACAGAATG
AATGGGTTAGTGACTGTTTATAAAGAAGAGTAATAAAGATACTATCATCATTTGAGGCAA
TAAGGGAGGGAGAGATTGAGCAAACAGTGTGCTTACAAGTGGAAAACAAGTTAAACTAAA
GTGACCCCCCTCCTTGACAAGATCAATGCCACAGTTGAGCTTTAGCCAGCCACATCATCA
TGTAATTTGCTTTCCTGATAAGCCTGTTTATAAATTCTCTTTGCAAAGCTCTGCTACTTA
CCAGAAGTCTGCCTACAGACAGAAAGATGGCATTTA

FIG. 3

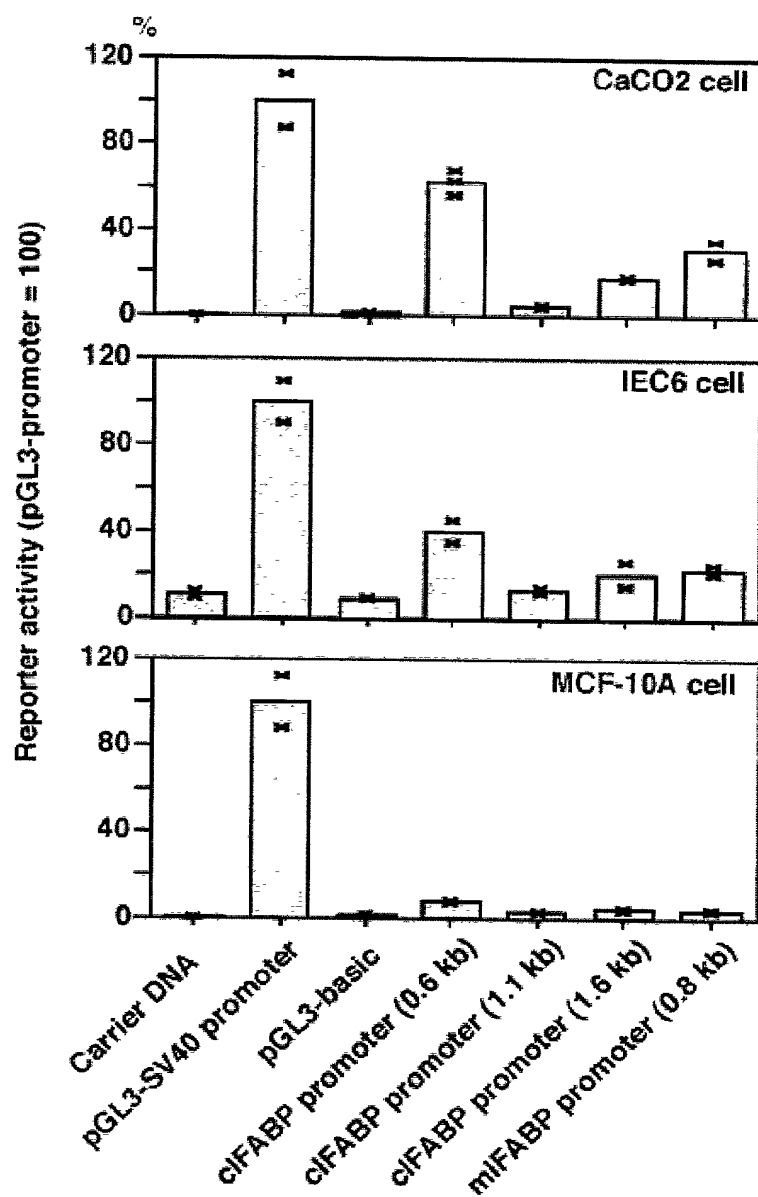


Fig.4